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| Language  > Chinese (Native proficiency)  > English   (Professional   working   proficiency)  Measure Tools > FTIR  > TGA  > DMA  > Injection and   Modelling   Machine  > Polarizing   Optical   Microscope  > Single-fiber   pull-out Test  > Transient Plant Source Method  Software  > ChemDraw > OriginLab > MS Office | Research Experience   |  |  | | --- | --- | | National College Students' Innovation and Entrepreneurship Training Program , China | May 2016 - Apr 2017 |   Program Code: 201610699271  > Research on the fabrication of modified cyanate ester resins/ high modulus poly (p-phenylene-2,6- benzobisoxazole) (HMPBO) fibers wave-transparent composite;  > Soluble epoxy-terminated PBO precursor (epoxy-prePBO) was fabricated;  > Wave-transparent composite with 7wt% epoxy-prePBO showed satisfactory dielectric constant (e, 2.68) and dielectric loss tangent (tand, 0.0061) values   |  |  | | --- | --- | | Study on Preparation of Dopamine-coated Boron Nitride/Polyimide (h-BN/PI) High Thermal Conductivity Composites , China | Dec 2018 -Jun 2019 |   > h-BN nanoparticles modified by dopamine were fabricated;  > Thermal properties of composites with the loading of 20vol% h-BN were improved (in-plane thermal conductivity as 3.009 W/mK).Research on the fabrication of modified cyanate ester resins/ high modulus poly (p-phenylene-2,6-benzobisoxazole) (HMPBO) fibers wave-transparent composite.  Work Experience   |  |  | | --- | --- | | Chemist (Full time) | Aug 2021 - Present |   Evonik (SEA) Pte Ltd., Singapore  > Collaborate with APE academic team on course preparation;  > Research and develop new curriculum materials;  > Travel to partner schools and teach classes required;  > Assist academic on other curriculum development on a project basis.   |  |  | | --- | --- | | Internship for Research & Development Work | July 2020 - Apr 2021 |   Evonik (SEA) Pte Ltd., Singapore  > Formulate photopolymer resin and conduct 3D printing work  > Conduct mechanical and thermal properties testing for plastic materials  > Participate in housekeeping and research discussion  > Analyze data and responsible for development of projects and QC of the materials  Education   |  |  | | --- | --- | | Master of Science in Industrial Chemistry (Distinction) | Jul 2019 - Apr 2021 |   German Institute of Science and Technology, TUM-Asia, NUS, Singapore > NUS CAP 4.38/5  > TUM CAP 1.3/5 (1)   |  |  | | --- | --- | | Bachelor of Engineering in Polymer Science and Materials | Sep 2015 - Jul 2019 |   Northwestern Polytechnical University, NWPU, China  > GPA 87/100  Awards  > Outstanding Volunteer Award in IICC-X&NPUMUN Conference May 2018 > Honorable Mention Award in Mathematical Contest in Modeling/Interdisciplinary Contest in Apr Modeling (MCM/ICM) 2018 > NWPU First-class Scholarship CY 2017 – 2018 > Second Prize in Chemistry Experiment Competition of NWPU Oct 2017 > Distinguished Delegation Award in National MUN (NMUN-New York) Apr 2017 > NWPU First-class Scholarship CY 2016 – 2017 > NWPU First-class Scholarship CY 2015 – 2016  Publications  > Junwei Gu, Wencai Dong, Yusheng Tang, Yongqiang Guo, Lin Tang, Jie Kong\*, Sruthi Tadakamalla, Bin Wang and Zhanhu Guo. Journal of Materials Chemistry C, 2017, 10.1039/C7TC00222J. IF=5.066. > Junwei Gu, Shuang Xu, Yusheng Tang, Jie Kong, and Lin Tang. A method of the fabrication of epoxy- terminated p-phenylene-2,6-benzobisoxazole precursor. Chinese Application   Number(201610887370.0) (2016-10-11), CN 106478712 A (2017-03-08). |